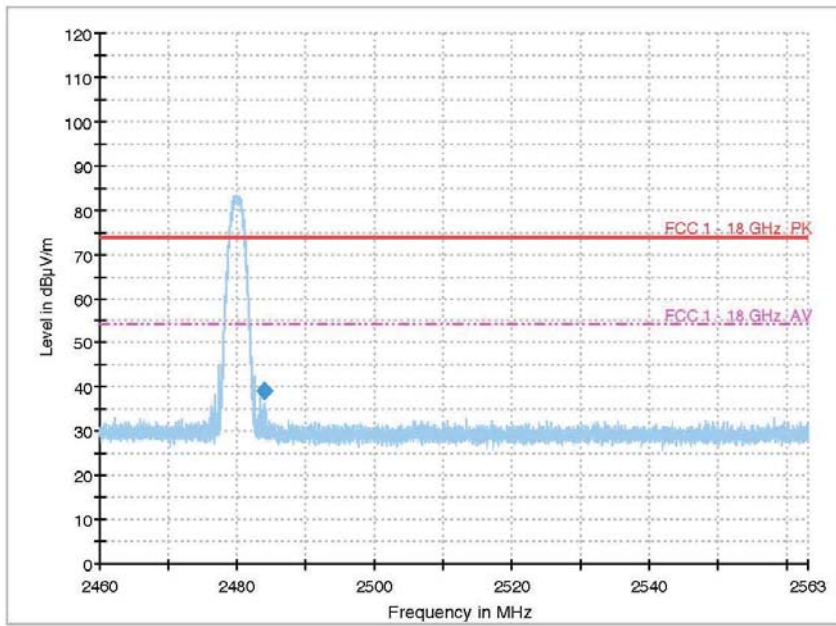


## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2483.870	38.96	0	38.96	74	35.04

Note: The test performed worst axis (X axis)

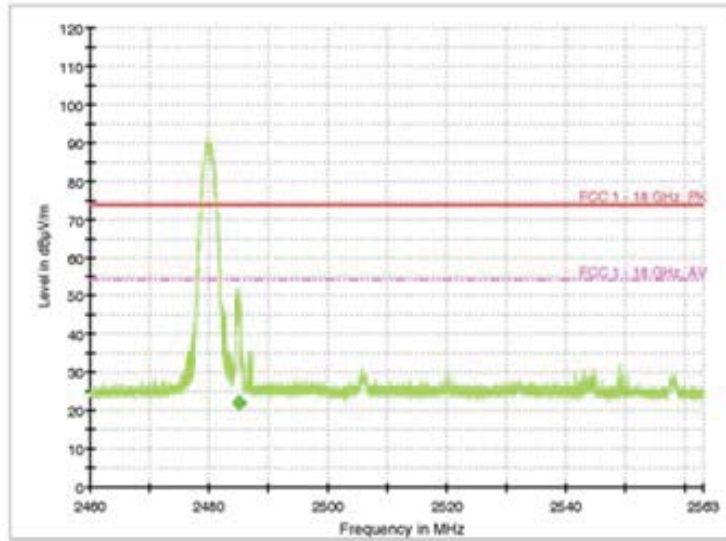
F3\_AV\_V

2021-01-27

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



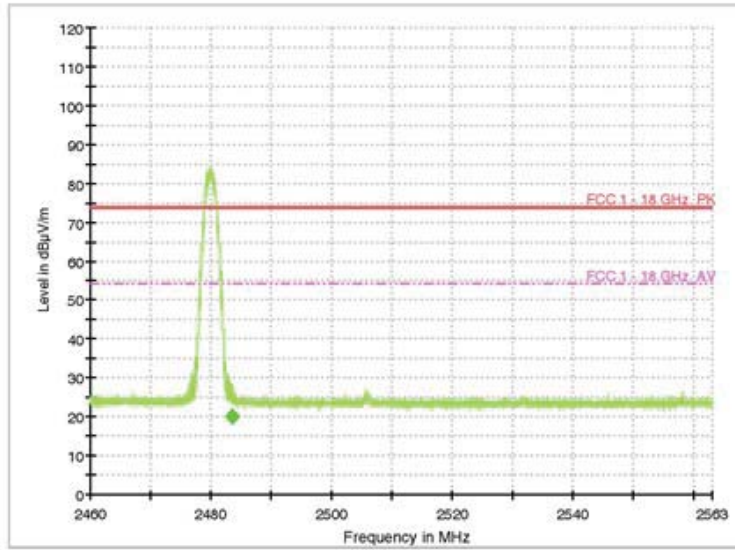
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2485.080	21.91	2.06	23.97	54	30.03

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2483.628	19.96	2.06	22.02	54	31.98

Note: The test performed worst axis (X axis)

## 2.5.5 Test Result (Spurious Emissions Above 9 kHz to Below 30 MHz)

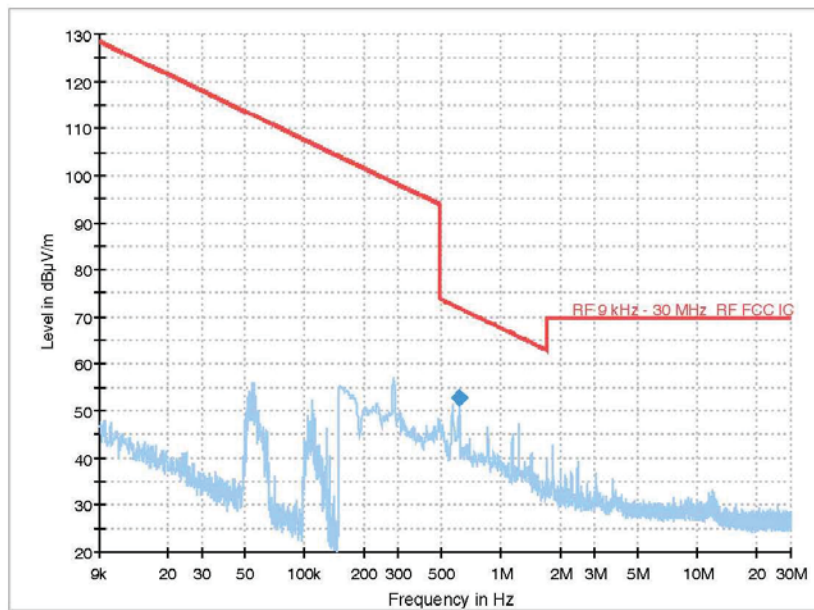
9-30\_F1\_X\_H

2021-01-20

### Test Report

#### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment



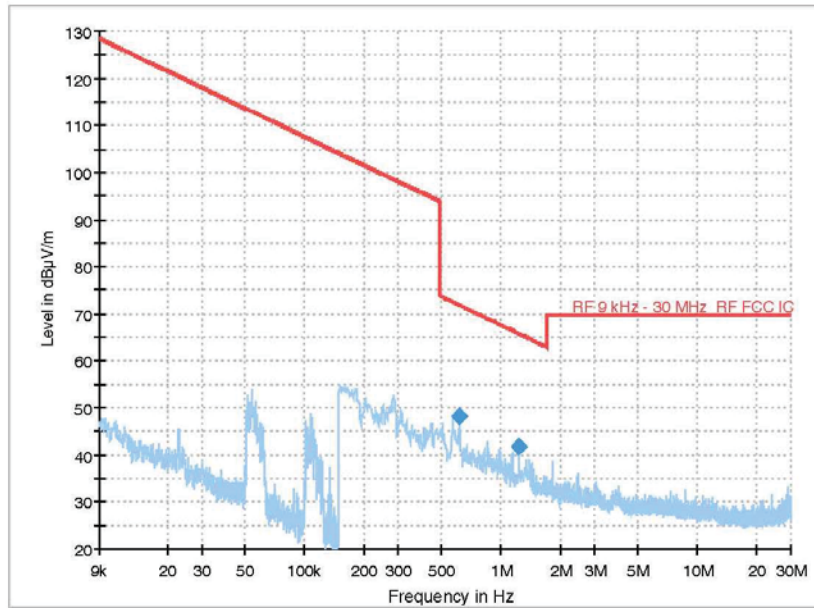
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.614	52.89	0	52.89	71.84	18.95

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment



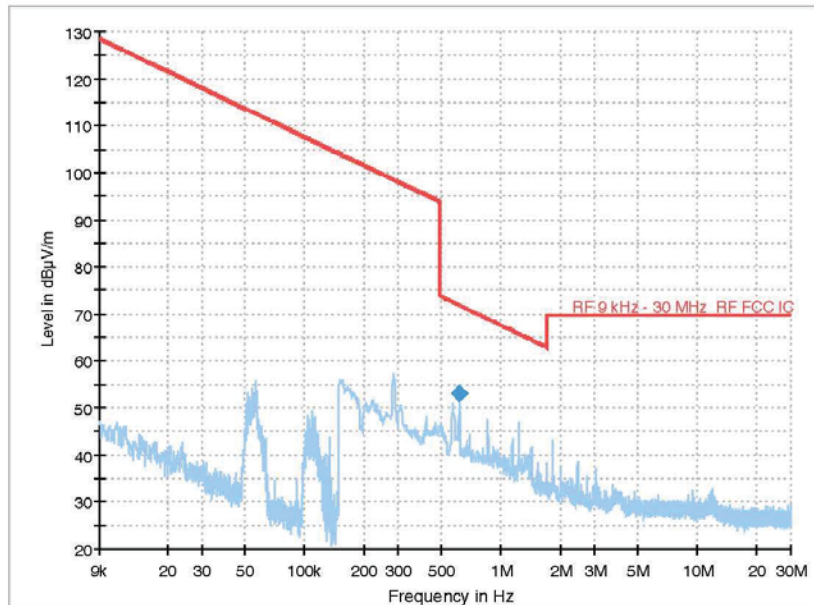
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.614	48.23	0	48.23	71.84	23.61
1.230	41.66	0	41.66	65.81	24.15

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment



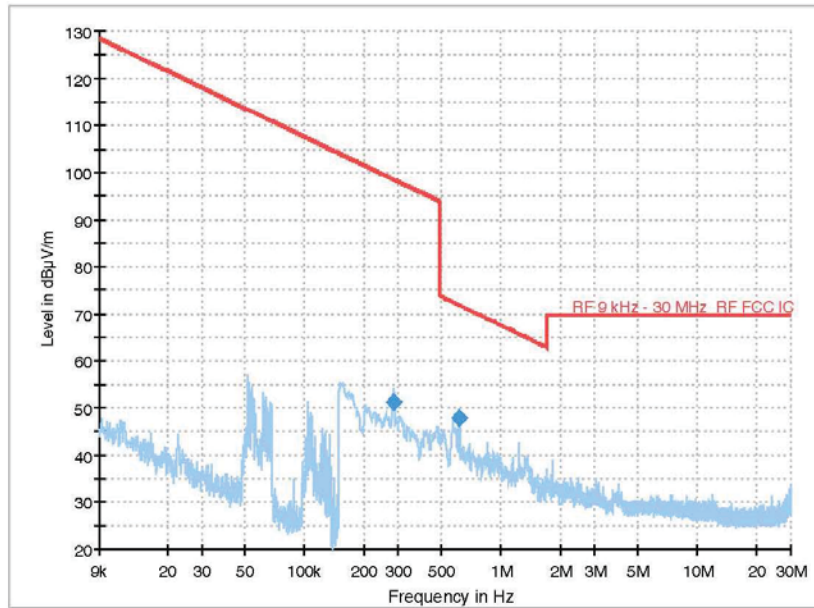
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.614	53.01	0	53.01	71.84	18.83

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment



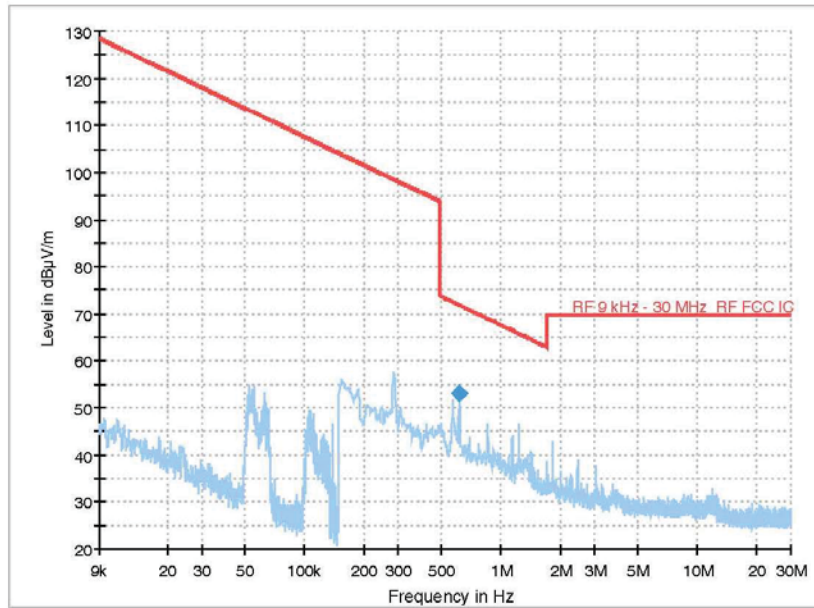
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.286	51.28	0	51.28	98.49	47.21
0.614	47.82	0	47.82	71.84	24.02

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.614	53.01	0	53.01	71.84	18.83

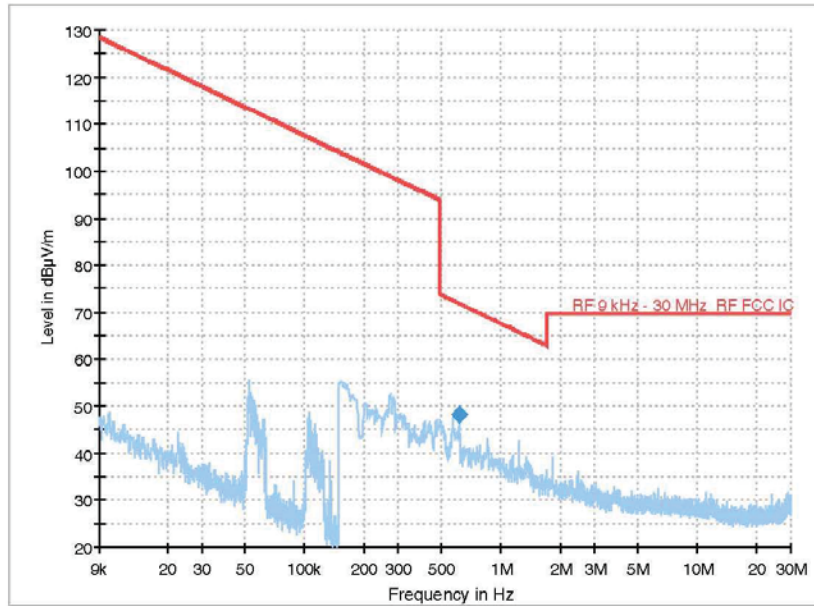
Note: The test performed worst axis (X axis)



## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
0.614	48.30	0	48.30	71.84	23.54

Note: The test performed worst axis (X axis)

## 2.5.6 Test Result (Spurious Emissions Above 30 MHz to Below 1 GHz)

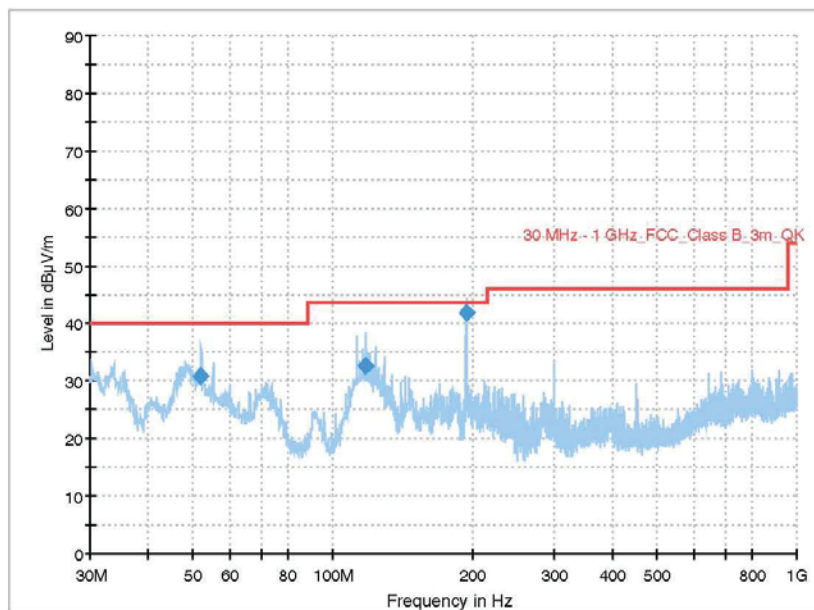
30-2\_F1\_X

2021-01-20

### Test Report

#### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment



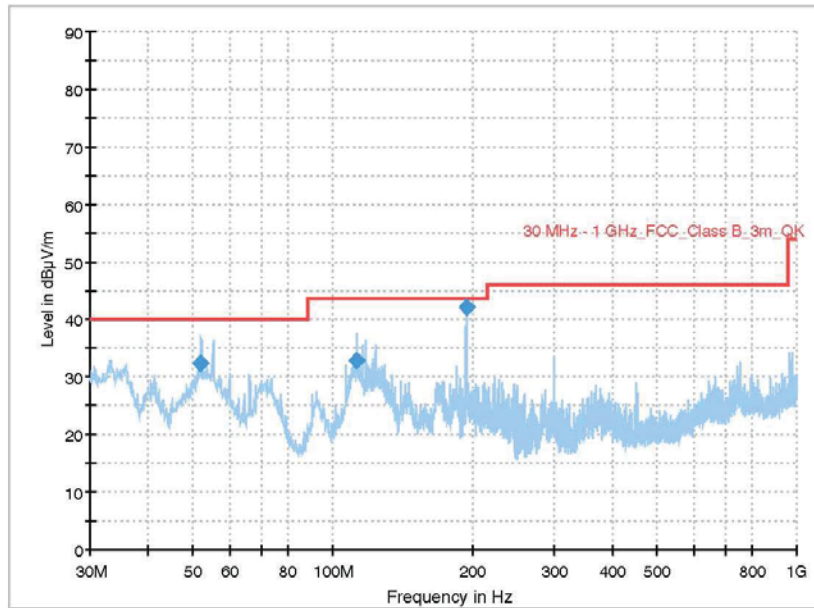
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
51.92	30.74	0	30.74	40.00	9.26
117.88	32.63	0	32.63	43.52	10.89
193.64	41.86	0	41.86	43.52	1.66

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment



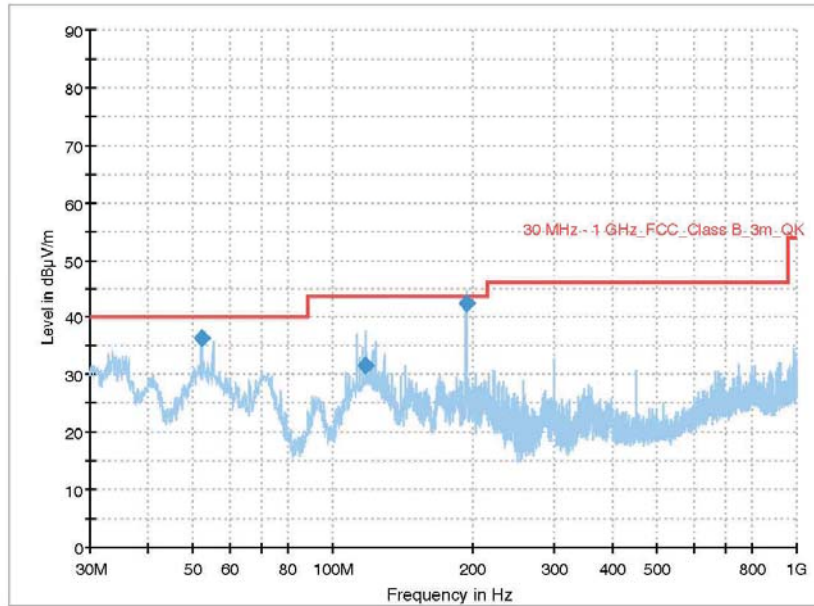
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
51.922	32.31	0	32.31	40.00	7.69
112.353	32.96	0	32.96	43.52	10.56
193.736	42.21	0	42.21	43.52	1.31

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
52.02	36.39	0	36.39	40.00	3.61
117.88	31.62	0	31.62	43.52	11.90
193.74	42.38	0	42.38	43.52	1.14

Note: The test performed worst axis (X axis)

## 2.5.7 Test Result (Spurious Emissions Above 1 GHz to 18 GHz)

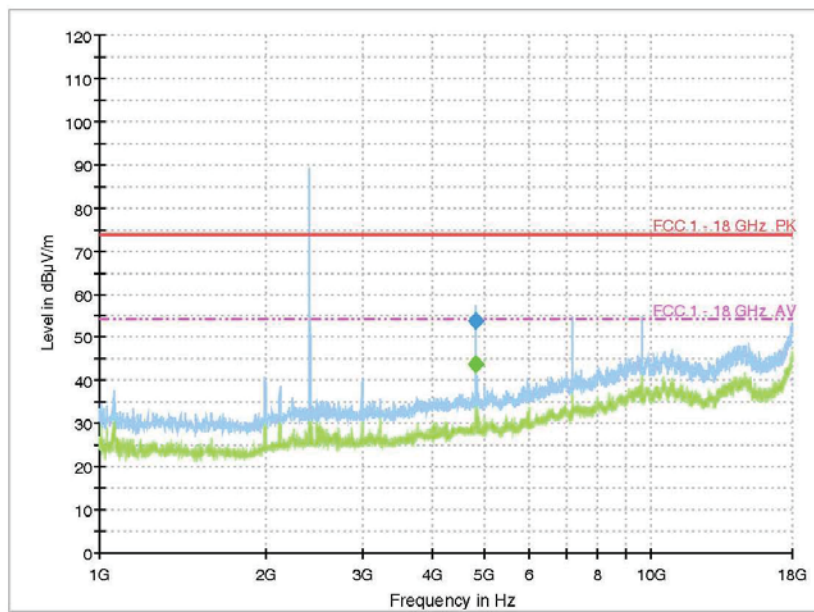
F1\_H\_X

2021-01-27

### Test Report

#### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
4802.900	53.76	0	53.76	74	20.24
4802.900	43.75	2.06	45.81	54	8.19

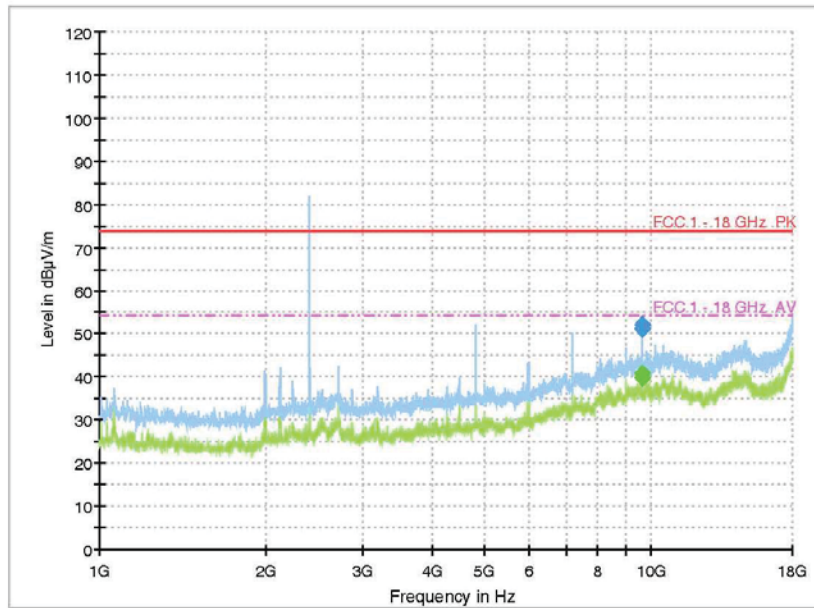
Note. The fundamental frequency results are not recorded.

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
9607.10	52.24	0	52.24	74	21.76
9607.10	40.94	2.06	43.00	54	11.00
9608.80	51.22	0	51.22	74	22.78
9608.80	39.64	2.06	41.70	54	12.30

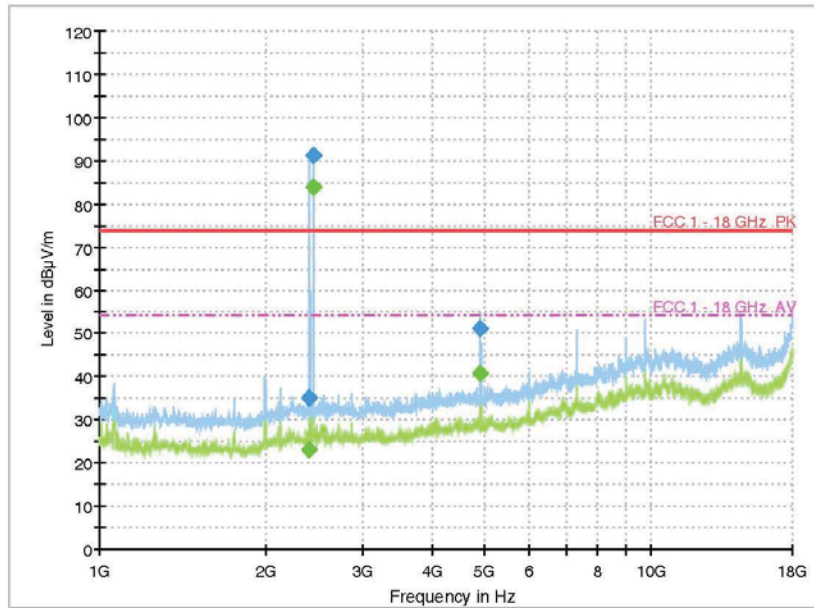
Note. The fundamental frequency results are not recorded.

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
2400.800	35.11	0	35.11	74	38.89
2400.800	22.95	2.06	25.01	54	28.99
4882.800	51.11	0	51.11	74	22.89
4882.800	40.85	2.06	42.91	54	11.09

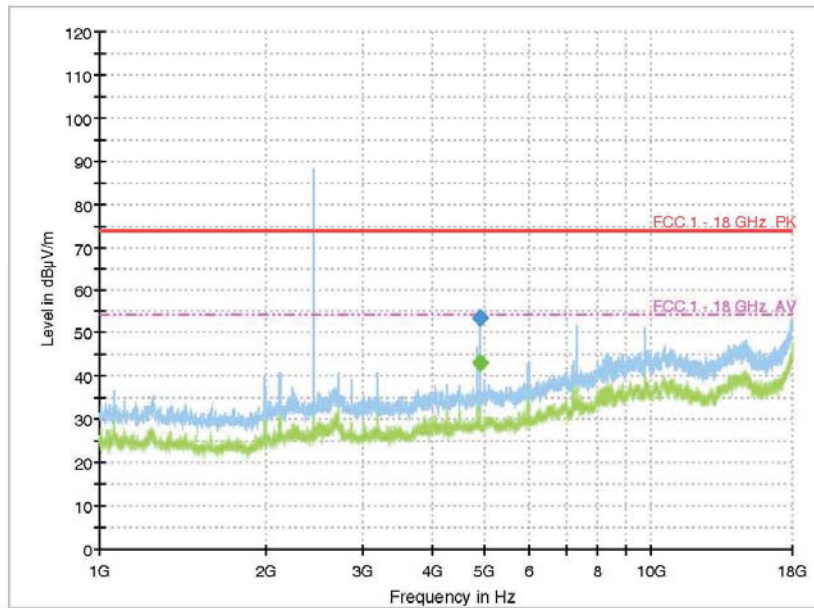
Note. The fundamental frequency results are not recorded.

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
4884.500	53.42	0	53.42	74	20.58
4884.500	43.06	2.06	45.12	54	8.88

Note. The fundamental frequency results are not recorded.

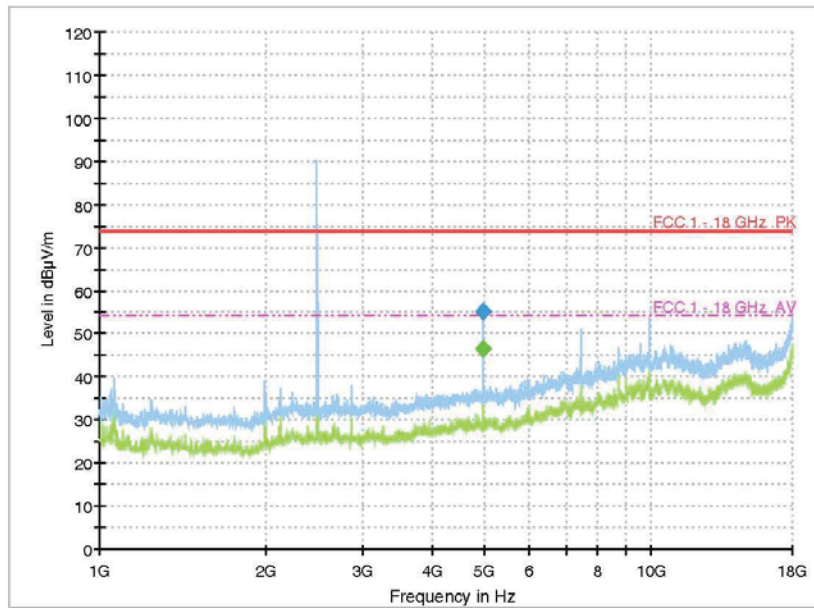
Note: The test performed worst axis (X axis)



## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
4959.300	55.24	0	55.24	74	18.76
4959.300	46.55	2.06	48.61	54	5.39

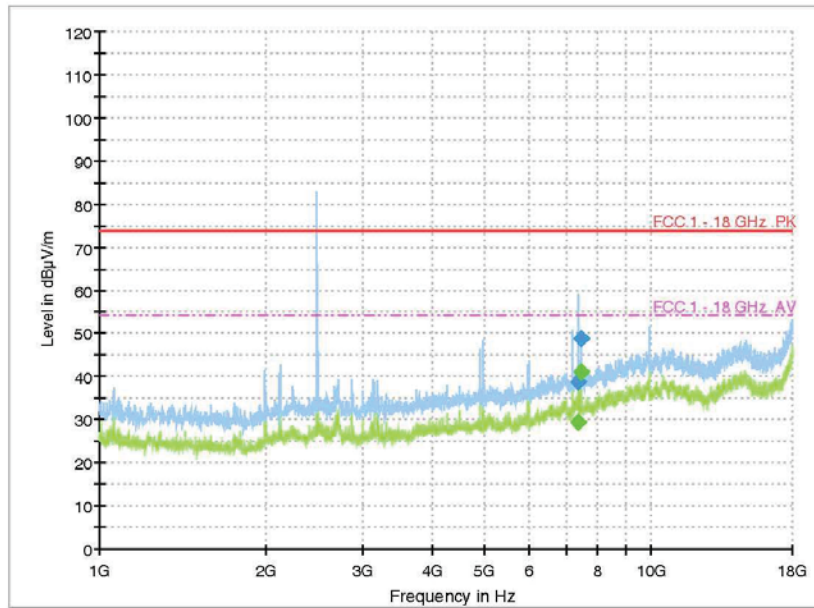
Note. The fundamental frequency results are not recorded.

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
7369.900	38.69	0	38.69	74	35.31
7369.900	29.27	2.06	31.33	54	22.67
7439.600	48.65	0	48.65	74	25.35
7439.600	40.99	2.06	43.05	54	10.95

Note. The fundamental frequency results are not recorded.

Note: The test performed worst axis (X axis)

## 2.5.7 Test Result (Spurious Emissions Above 18GHz to 26.5 GHz)

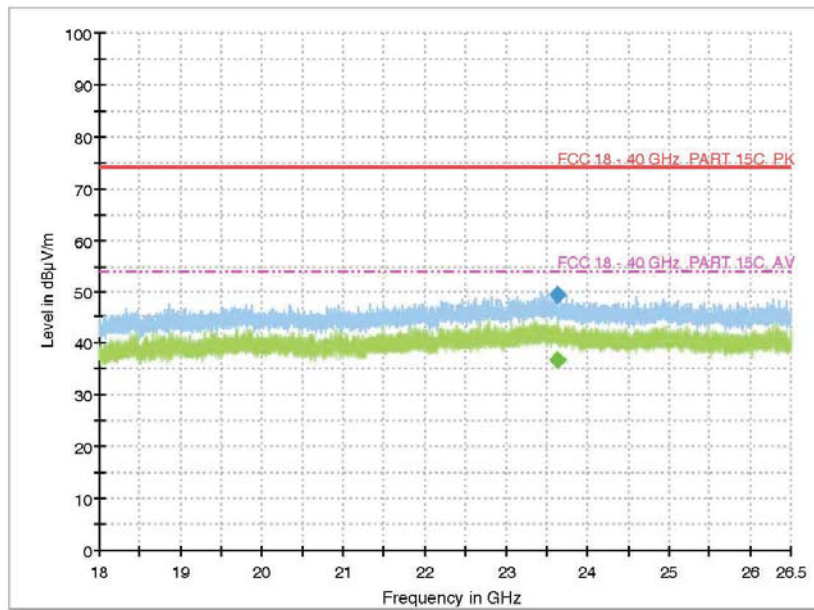
F1\_H

2021-01-27

### Test Report

#### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



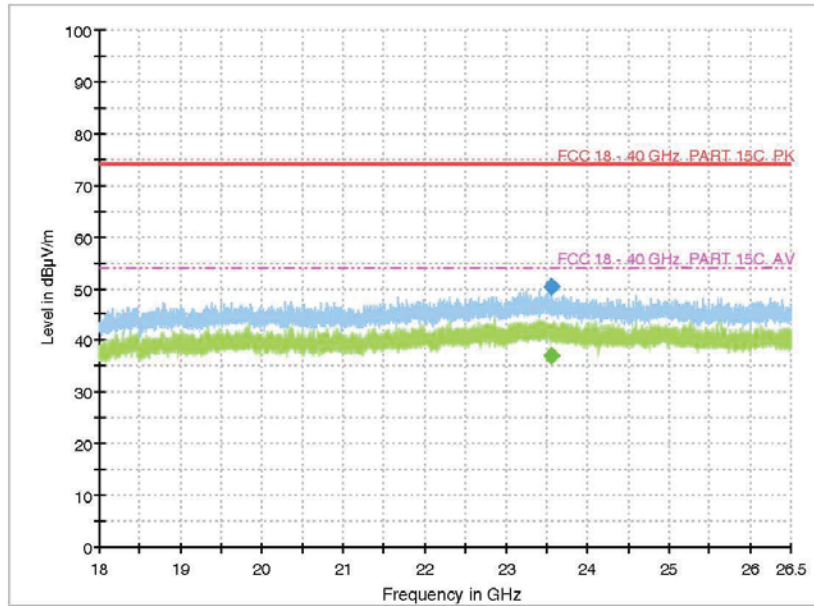
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
23634.890	49.43	0	49.43	74	24.57
23634.890	36.8	2.06	38.86	54	15.14

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



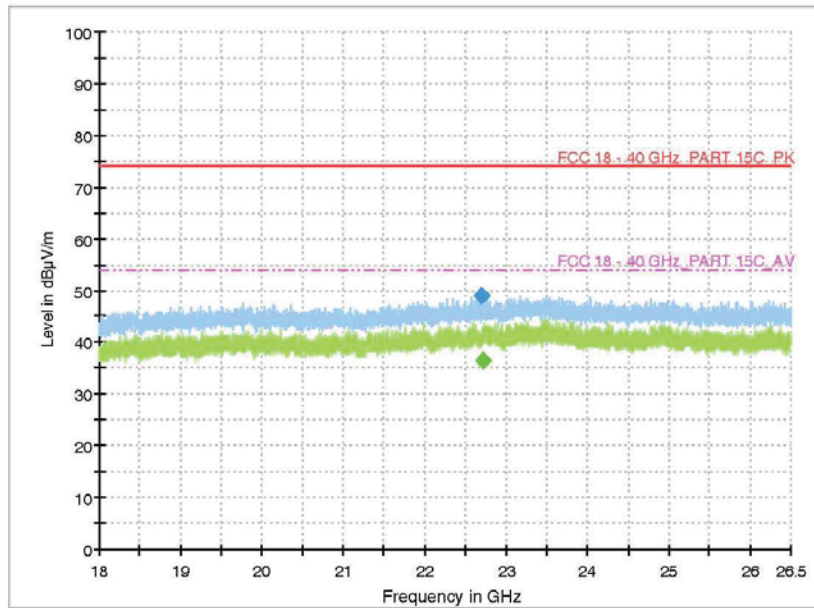
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
23549.290	50.38	0	50.38	74	23.62
23549.290	36.99	2.06	39.05	54	14.95

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



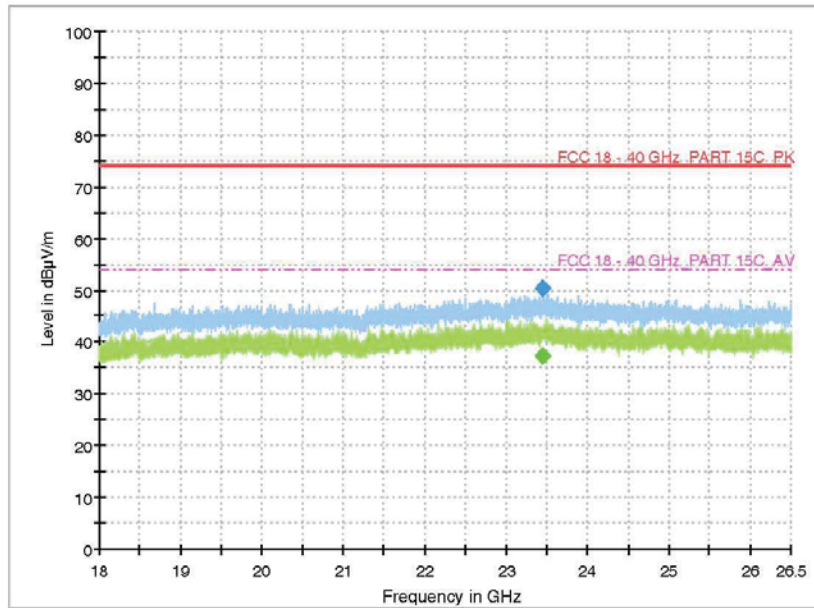
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
22696.860	49.16	0	49.16	74	24.84
22709.610	36.48	2.06	38.54	54	15.46

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



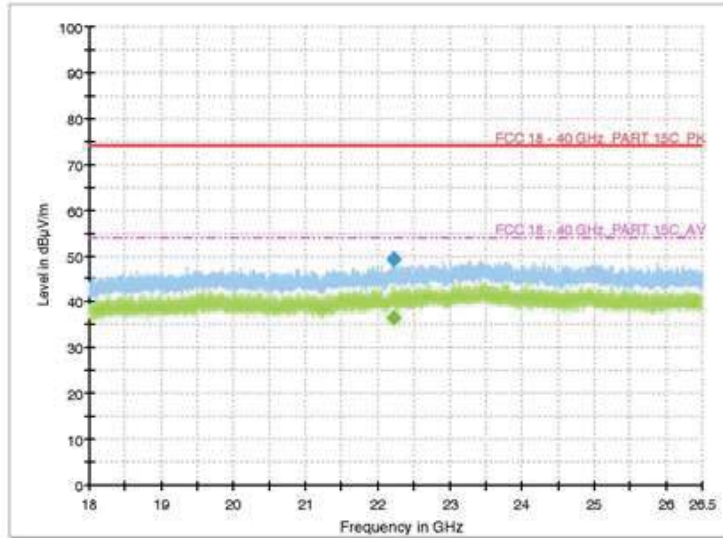
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
23439.390	50.32	0	50.32	74	23.68
23440.610	37.35	2.06	39.41	54	14.59

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



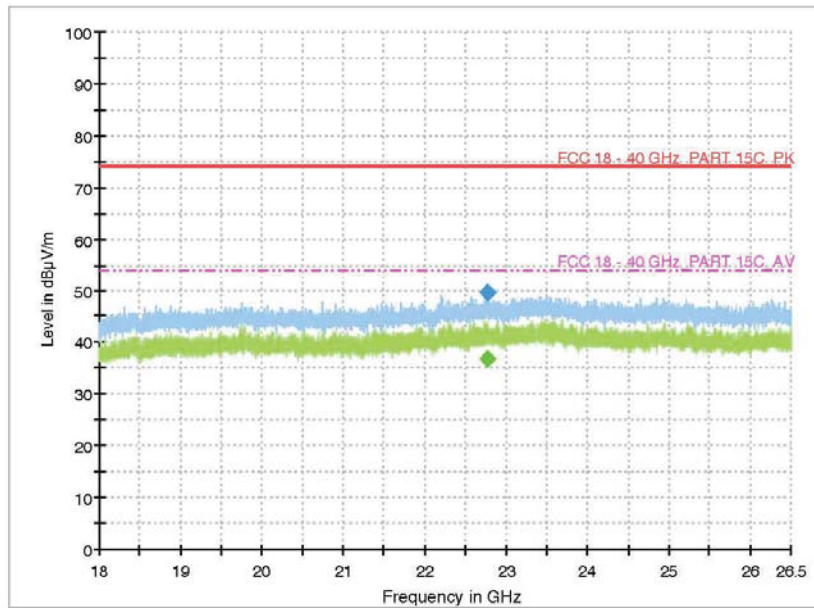
Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
22224.500	49.26	0	49.26	74	24.74
22224.500	36.36	2.06	38.42	54	15.58

Note: The test performed worst axis (X axis)

## Test Report

### Common Information

Test Description:  
 Test Mode:  
 Test Standard:  
 Environment Conditions:  
 Operator Name:  
 Comment:



Frequency (MHz)	Reading (dBuV/m)	DCCF (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
22764.250	49.56	0	49.56	74	24.44
22764.250	36.89	2.06	38.95	54	15.05

Note: The test performed worst axis (X axis)



## 2.6 AC Power Line Conducted Emission

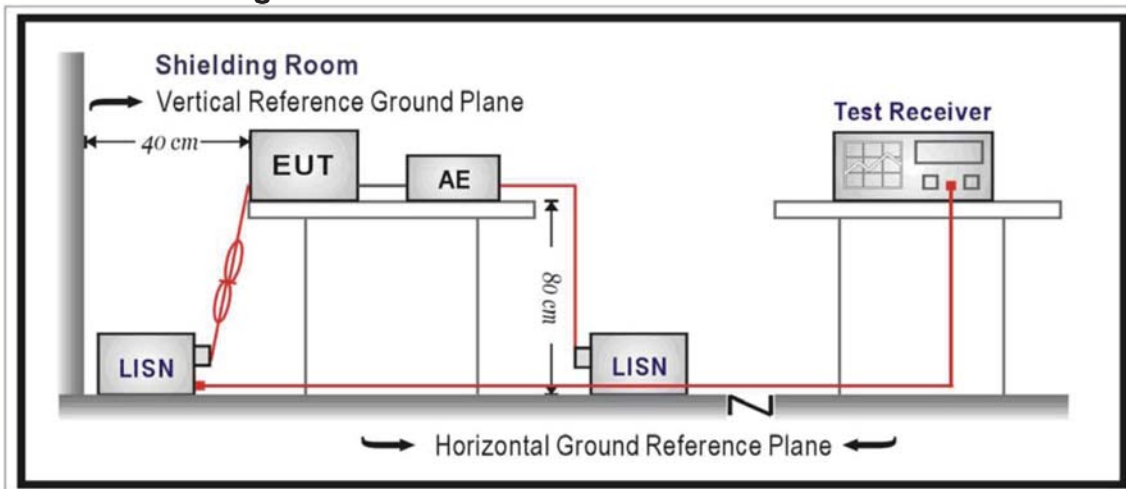
### 2.6.1 Limit

Test Specification: According to FCC CFR Title 47 Part 15 Subpart C Section 15.207

Frequency (MHz)	Limit (dBuV)	
	Quasi-Peak	Average
0.15 to 0.5	66 to 56 *	56 to 46 *
0.5 to 5	56	46
5 to 30	60	50

Note : \* Decrease with the logarithm of the frequency

### 2.6.2 Test Configuration



### 2.6.3 Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50 uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 ohm/50 uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15 MHz to 30 MHz using a receiver bandwidth of 9kHz.

## 2.6.4 Test Result

N/A<sup>1)</sup> This product is not operating while charging. Therefore, this test parameter does not applicable.

NTREE

## **2.7 Antenna Requirement**

### **2.7.1 Applicable Standard**

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

### **2.7.2 Applicable Construction**

### **2.7.3 Test Result**

**Pass**

NTREE